



FIGURE 4

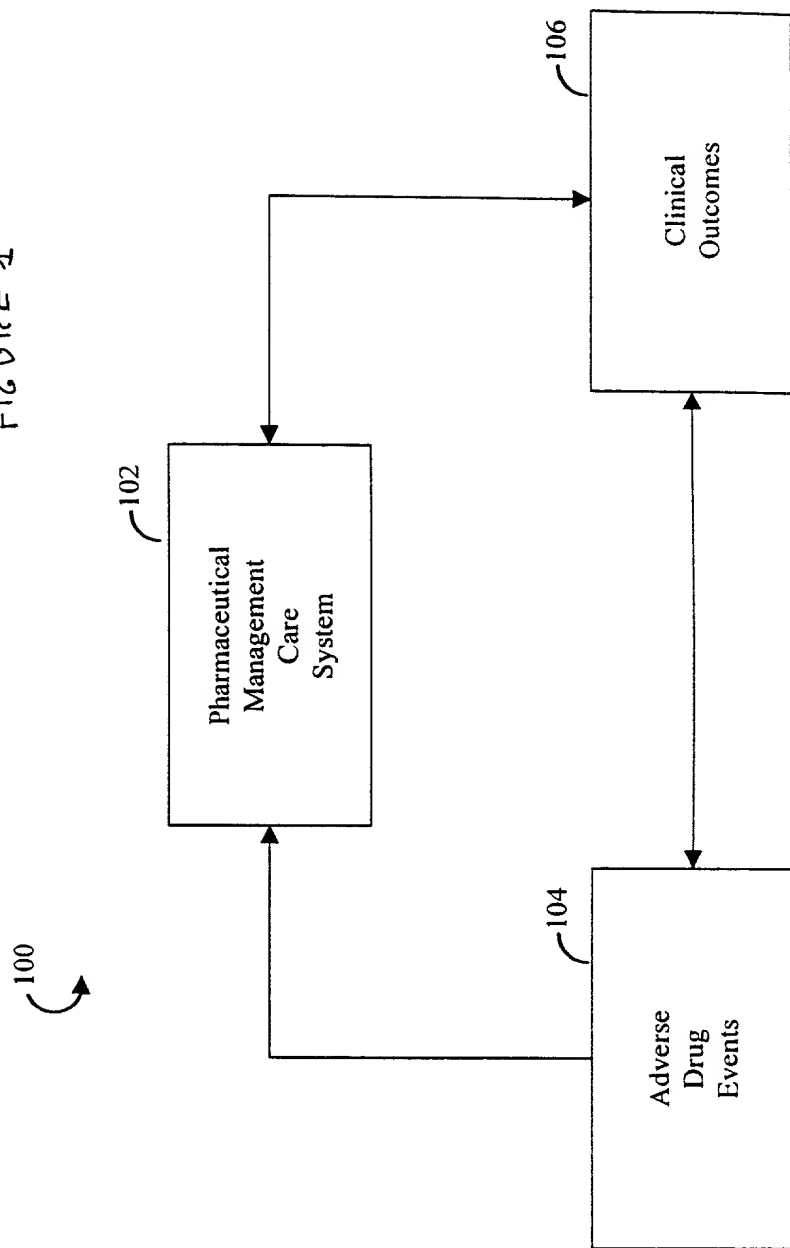




FIGURE 2

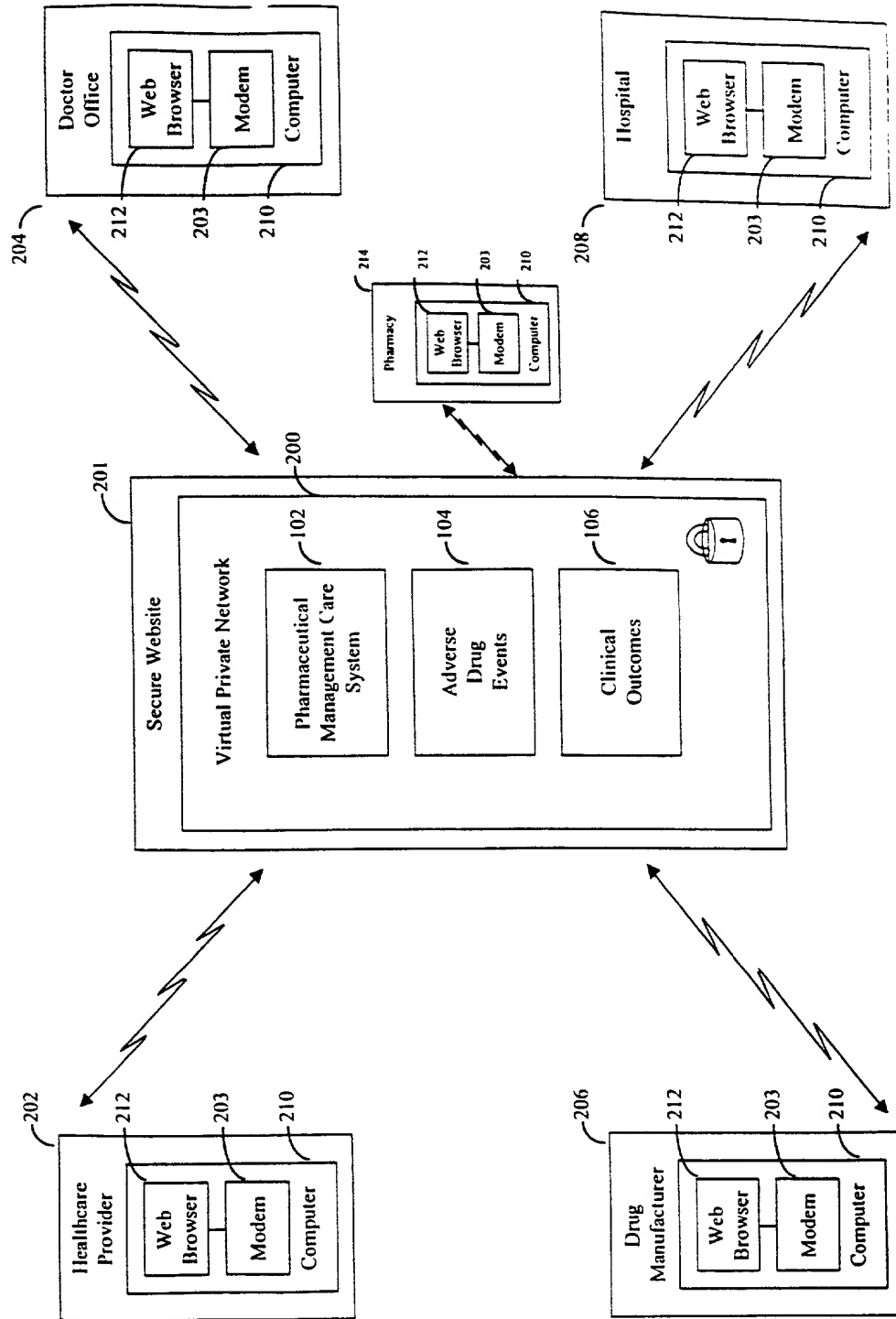




FIGURE 3

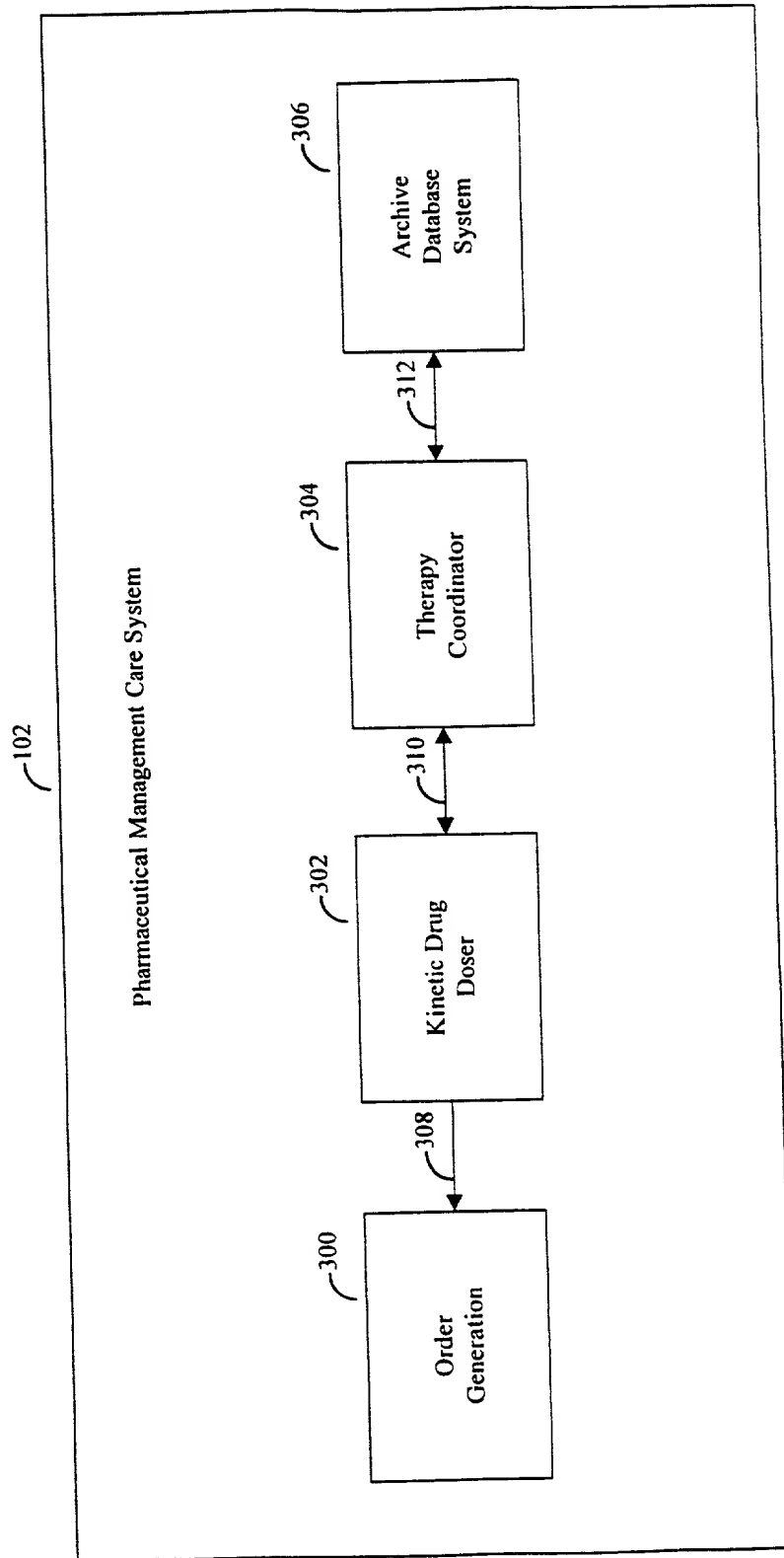
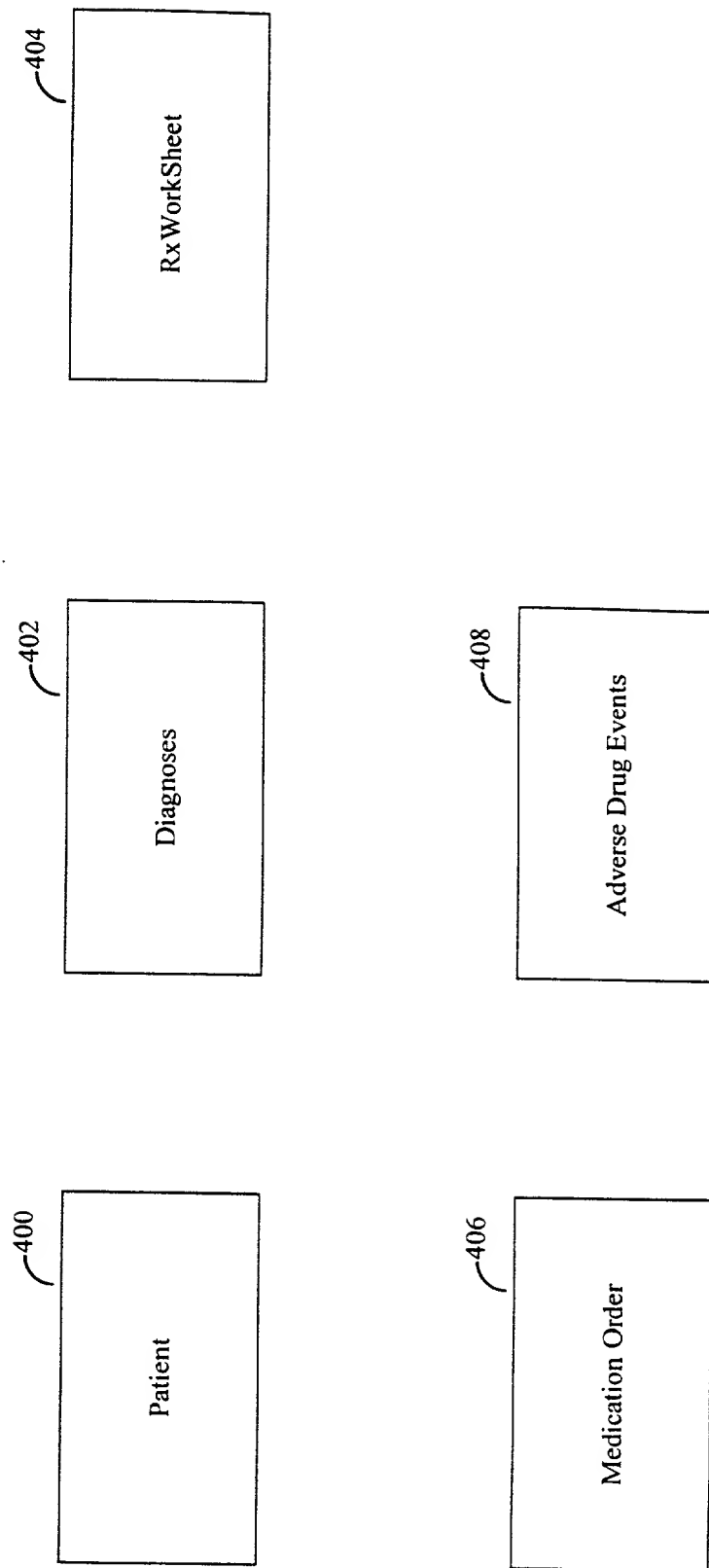
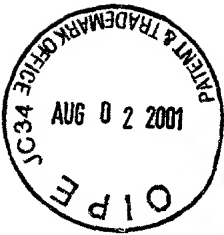




FIGURE 4





400

502

Disease Management Systems - RX Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit

Address http://development.diseasemanagementsys.com/ Links

**Disease Management Systems**

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

516 { Patient List Patient Record

12345  
B  
Bob, Joe  
G  
Good, John  
J  
Johnson, Lyndon  
Jordan, George  
K  
Kapp, Jack  
Kapp, Thomas  
S  
Stephenopoulos, Zeno  
T  
Thweatt, Bob

PATIENT ID 1234 LOCATION # ROOM NO

FIRSTNAME Thomas M L LASTNAME Kapp 500

D.O.B. 02/07/1944 AGE 56 SEX Male

HEIGHT 183 cm BODY SURFACE AREA 2.23 m<sup>2</sup>

WEIGHT 97 kg IDEAL BODY WEIGHT 77 kg

DOCTOR Wazoo

RECORD CREATED 02/11/00 (UKtkapp) LAST UPDATED 03/13/00 (tkapp)

Add Patient 506 Modify Patient Record 508 Print Profile 510

Drug Interactions 512 Contraindications 514

Internet zone

Figure 5A

518

502

+ Disease Management Systems

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

516 { Patient List

+ -

B

J

Patient Record

PATIENT ID 333 LOCATION ROOM NO

---

FIRSTNAME Wally MI G LASTNAME Balloo

D.O.B. 03/23/1954 AGE 46 SEX Male

HEIGHT 183 cm BODY SURFACE AREA 1.89 m<sup>2</sup>

WEIGHT 70 kg IDEAL BODY WEIGHT 77 kg

DOCTOR Jones

RECORD CREATED 03/23/00 (tkapp) LAST UPDATED 03/23/00 (tkapp)

DRUG ALLERGIES NOTES DATE RECORDED (BY)

AMOXICILLIN 03/23/00 (tkapp)

520 {

522 {

506      508      510

Add Patient    Modify Patient Record    Print Profile

512      514

Drug Interactions    Contraindications

Done Internet zone

Figure 5B

6606

Disease Management Systems - RX Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit

Address http://development.diseasemanagementsys.com/ Links

**+ Disease Management Systems**

**Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events**

**Patient List**

+ -

B

Balloo, Wally

J

Jones, Robert

**Modify Patient Record**

PATIENT ID 333 LOCATION ROOM NO

FIRST Wally MI G LAST Balloo

D.O.B. 03/23/1954 SEX Male AGE 46

HEIGHT 183 IN CM IDEAL BODY WEIGHT(KG) 77

WEIGHT 70 LB KG DOCTOR Jones

Save Changes Cancel Changes Record Drug Allergy

604

Done Internet zone

Figure 6

09825141-080201

098544-080201

✓ 608

Disease Management Systems - RX Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back

Forward

Stop

Refresh

Home

Search

Favorites

History

Channels

Fullscreen

Mail

Print

Edit

Address http://development.diseasemanagementsys.com/ Links

+

Disease Management Systems

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

Find Allergy Profile

ENTER TEXT TO SEARCH

Search

Drug Allergy Pick List

CLICK TO SELECT

ID: 333 NAME: Balloo, Wally G. CURRENT SEARCH: amox

AMOXAPINE

AMOXICILIN

AMOXICILIN

AMOXICILIN SODIUM

AMOXICILIN TRIHYDRATE

AMOXIL

FRAMOXINE

FRAMOXINE HCL

SULFAMOXOLE

TAMOXIFEN

TAMOXIFEN CITRATE

TAMOXIFEN CITRATE

Internet zone

Figure 7



600

**Patient Profile - Disease Management Systems - Microsoft Internet Explorer**

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen

Address <http://development.diseasemanagementsys.com/patient/profile.cfm> Links

---

**Patient Profile**

---

NAME: Thomas L Kapp      SEX: Male      AGE: 56  
 ID: 1234      LOCATION: south wing      ROOM: 234s  
 ATTENDING DR: Wazoo  
 RECORD CREATED: 02/11/00      LAST UPDATED: 03/14/00

---

CURRENT MEDICAL CONDITIONS	(COUNT: 2)	DATE ADDED	OPERATOR ID
ANGINA PECTORIS, CHRONIC		03/14/00	tkapp
DIABETES MELLITUS		03/13/00	tkapp

---

CURRENT MEDICATIONS - INGREDIENTS	(COUNT: 3)	DATE ADDED	OPERATOR ID

Done Internet zone

Figure 8

600b

Patient Profile - Disease Management Systems - Microsoft Internet Explorer			
http://development.disease-managementsys.com/patient/profile.cfm			
DIABETES MELLITUS		03/13/00	tkapp
CURRENT MEDICATIONS - INGREDIENTS	(COUNT 3)	DATE ADDED	OPERATOR ID
NORVASC 10MG TABLET getmed.advisory		03/14/00	tkapp
XANAX 2MG TABLET getmed.advisory		03/13/00	tkapp
LASIX 10MG/ML SOLUTION 2000-03-24 00 00.00 getmed.advisory		03/14/00 tkapp	tkapp
CONTRAINDICATION WARNINGS	(COUNT 0)		
DRUG INTERACTION WARNINGS	(COUNT 0)		

Figure 9

09825141-030201

2025141-000001

402

Disease Management Systems - RX Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit

Address http://development.diseasemanagementsys.com/ Links

**Disease Management Systems**

Patient RxWorkSheet Med Order Adverse Drug Events

516 Patient List Diagnoses 808

+|-

12346 Bob, Joe

504 G Good, John

J Johnson, London

K Jordan, George

K Kapp, Jack

P Kapp, Thomas

S Stephenopoulos, Zeno

T Thongatt, Bob

800

802

512

514

808

ID: 1234 NAME: Kapp, Thomas

CONDITION: ICD-9-3 START DATE (YY) END DATE (YY)

DIABETES MELLITUS 250.90 03/13/2000 (TKAPPA) End

Click To Add Diagnoses

Drug Interactions Contraindications

Done Internet zone

Figure 10

804

Disease Management Systems - DX Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit

Address http://development.diseasemanagementsys.com/ Links

### Disease Management Systems

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

**Sort**

**Diagnoses**

Enter text to search

**Search**

**Add Diagnoses**

CLICK ON CONDITION TO ADD

ID: 333 NAME: Balloo, Wally G. CURRENT SEARCH:

**ICD9 Diagnoses**

- 39.20 ABDOMINAL ACTINOMYCOSIS
- 039.2 ABDOMINAL ACTINOMYCOSIS
- 039.3 ABDOMINAL ACTINOMYCOSIS
- 68.4 ABDOMINAL HYSTERECTOMY
- 68.4 ABDOMINAL HYSTERECTOMY SURGICAL PROPHYLAXIS
- 788.00 ABDOMINAL PAIN CRAMPS
- 788.30 ABDOMINAL SWELLING
- 788.67 ABDOMINAL TENDERNESS GENERALIZED
- 788.61 ABDOMINAL TENDERNESS UPPER RIGHT QUADRANT
- 786.4 ABNORMAL CLINICAL FINDINGS
- 780.2 ABNORMAL GLUCOSE TOLERANCE TEST
- 795.0 ABNORMAL PAPANICOLAOU SMEAR OF CERVIX NONSPECIFIC
- 786.4 ABNORMAL UREASE BREATH TEST
- 826.8 ABNORMAL UTERINE BLEEDING SECONDARY TO HORMONAL IMBALANCE

http://development.diseasemanagementsys.com/diagnoses/ Internet zone

810

806

Figure 11

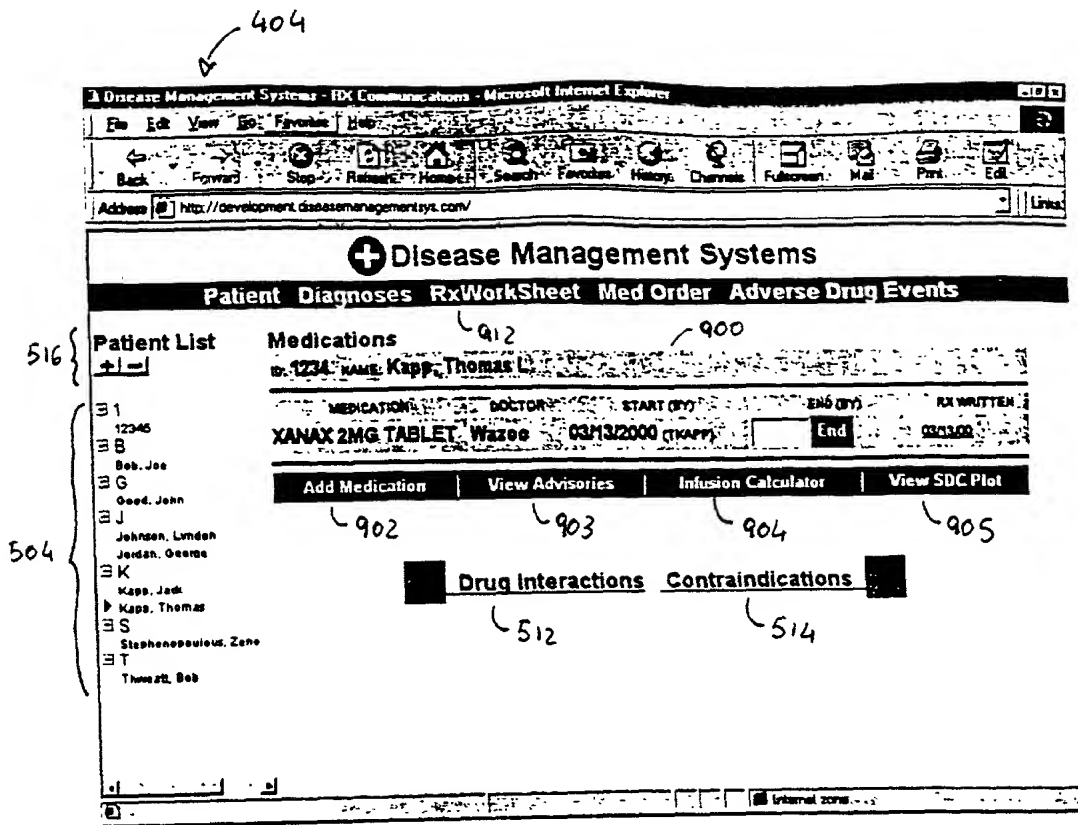


Figure 12

092544-08001

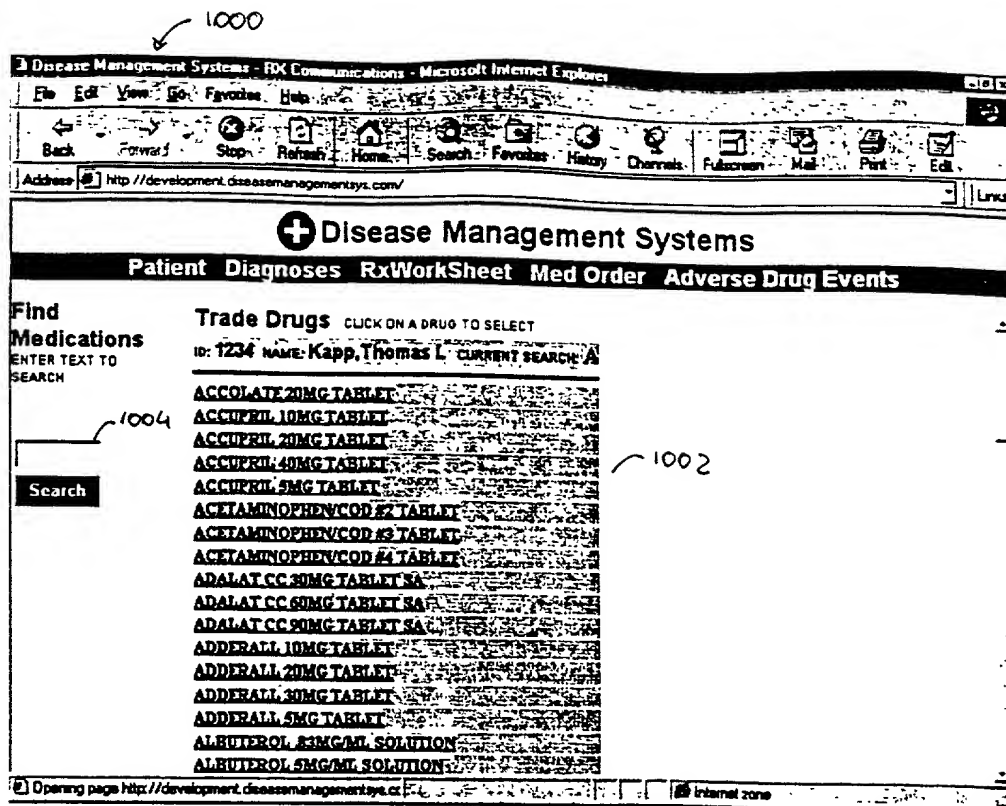


Figure 13

1092544-03004  
T02080-745266

906

**Disease Management Systems**

**Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events**

**Patient List**  
+|-

**Medication Advisories**  
ID: 333, NAME: Balleo, Wally G.

908

**ACETAMINOPHEN/COD #4 TABLET**

- SEEK IMMEDIATE HELP IF OVERDOSE IS SUSPECTED
- USE EXACTLY AS DIRECTED BY DOCTOR
- MAY CAUSE DROWSINESS, CAUTION OPERATING MACHINERY OR DRIVING
- CHECK WITH DOCTOR BEFORE INCREASING DOSE
- MAY BE HABIT FORMING
- AVOID OTHER CNS DEPRESSANTS
- REDUCE OR AVOID ALCOHOL CONSUMPTION
- DO NOT USE MORE OFTEN THAN RECOMMENDED BY DOCTOR

910

**AMOXICILLIN 125MG/5ML SUSP**

- MUST COMPLETE FULL COURSE OF THERAPY
- SPACE DOSES EVENLY
- FALSE POSITIVES WITH CUSO4 URINE GLUCOSE TEST
- DO NOT USE IF ALLERGIC TO PENICILLINS
- MAY REDUCE EFFECTIVENESS OF ORAL BC'S
- CALL DOCTOR IF SEVERE DIARRHEA OCCURS

Done Internet zone

Figure 14

406

Disease Management Systems - RX Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit

Address <http://development.disease-managementsys.com/> Links

**+ Disease Management Systems**

**Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events**

**Patient List**  
+|-

1  
B  
B  
G  
J  
K  
S  
T

**Medication Order**  
Click on formula to select  
ID:1234 Name: Thomas L Kapp

STRENGTH & FORM QTY	MFR	COST	DESCRIPTION
<b>XANAX 2MG TABLET</b>			
• 2MG TAB	100 EA	PHARMACIA	UP JHN \$0.00
• 2MG TAB	500 EA	PHARMACIA	UP JHN \$0.00

Cancel

Internet zone

Figure 15

0985141-03001



20250414 08001

1108

Disease Management Systems - RX Communications - Microsoft Internet Explorer

Address http://development.diseasemanagementsys.com/

**+ Disease Management Systems**

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

**Medication Order**

1104 {

PATIENT NAME: Wally Balloo

PRESCRIBING DOCTOR Jones

DRUG 00083035001 - ACETAMINOPHEN/COD #4 TABLET

60-300MG TAB QUANTITY 100 EA (TAB)

DIRECTION

1110 {

Save Order Cancel

**Short Hand Notations**

1106 {

And	gr	Grain	pm	Afternoon evening
bs	Before meals	gtt	drop	By mouth
ad	Right ear	qv	When necessary	
ad	To, up to	h	An hour	A powder

Internet zone

Figure 16

09825141-080204

408

Disease Management Systems - RX Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit

Address http://development.disease-managementsys.com/ Links

**+ Disease Management Systems**

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

Patient List **Adverse Drug Events (ADE)**

**+|-**

REPORTED ADVERSE EFFECT MEDICATION NOTES

03/13/00 Diabetes mellitus XANAX 2MG TABLET Print

Report Adverse Drug Event

Internet zone

1200

1204

1202

Figure 17

002544-080204

1300

Disease Management Systems - RX Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit

Address http://development.diseasemanagementsys.com/ Links

**+ Disease Management Systems**

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

**Adverse Drug Event (ADE) Report:**

ID: 1234 NAME: Kapp, Thomas L

MEDICATIONS INVOLVED: 1302 1324 XANAX 2MG TABLET

DIAGNOSES INVOLVED: DIABETES MELLITUS

(HOLD DOWN CTRL TO SELECT MULTIPLE)

DATE ADE REPORTED 03/13/00 DURATION OF ADE (IF KNOWN) DAYS

TYPE OF ADE (CHECK ONE): 1318

☐ CARDIOVASCULAR ☐ HEMATOLOGIC ☐ MISCELLANEOUS

☐ CENTRAL NERVOUS SYSTEM ☐ HYPERSENSITIVITY ☐ RESPIRATORY

☐ DERMATOLOGIC ☐ KIDNEY / RENAL ☐ SPECIAL SENSES

☐ GASTROINTESTINAL ☐ METABOLIC ☐ MUSCULOSKELETAL

Continue Cancel Report

Done Internet zone

1304 1306

Figure 18

0985141.080201

1308

Disease Management Systems - RX Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit

Address <http://development.diseasemanagementsys.com/> Links

## + Disease Management Systems

**Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events**

1318 ☐ HYPOTENSION ☐ PERIPHERAL EDEMA ☐ VASODILATION

1310 ☐ HYPERTENSION ☐ FLUID RETENTION ☐ PERIPHERAL VASCULAR DISEASE

☐ CARDIAC ARRHYTHMIAS ☐ CHEST PAIN/ANGINA

IF ADE IS NOT NOTED ABOVE, PLEASE DESCRIBE:

1312

SEVERITY: ☐ MILD ☐ MODERATE ☐ SEVERE ☐ FATAL

1314

LIKELHOOD THAT THE ADE IS DUE TO THE MEDICATION: ☐ HIGHLY LIKELY ☐ PROBABLY ☐ NOT LIKELY

1320

OUTCOME: ☐ FULLY RECOVERED ☐ SOME RESIDUAL SEQUELLA ☐ PERMANENT SEQUELLA

1316

ACTION TAKEN: ☐ DRUG CONTINUED ☐ DRUG DOSAGE ALTERED ☐ DRUG DISCONTINUED

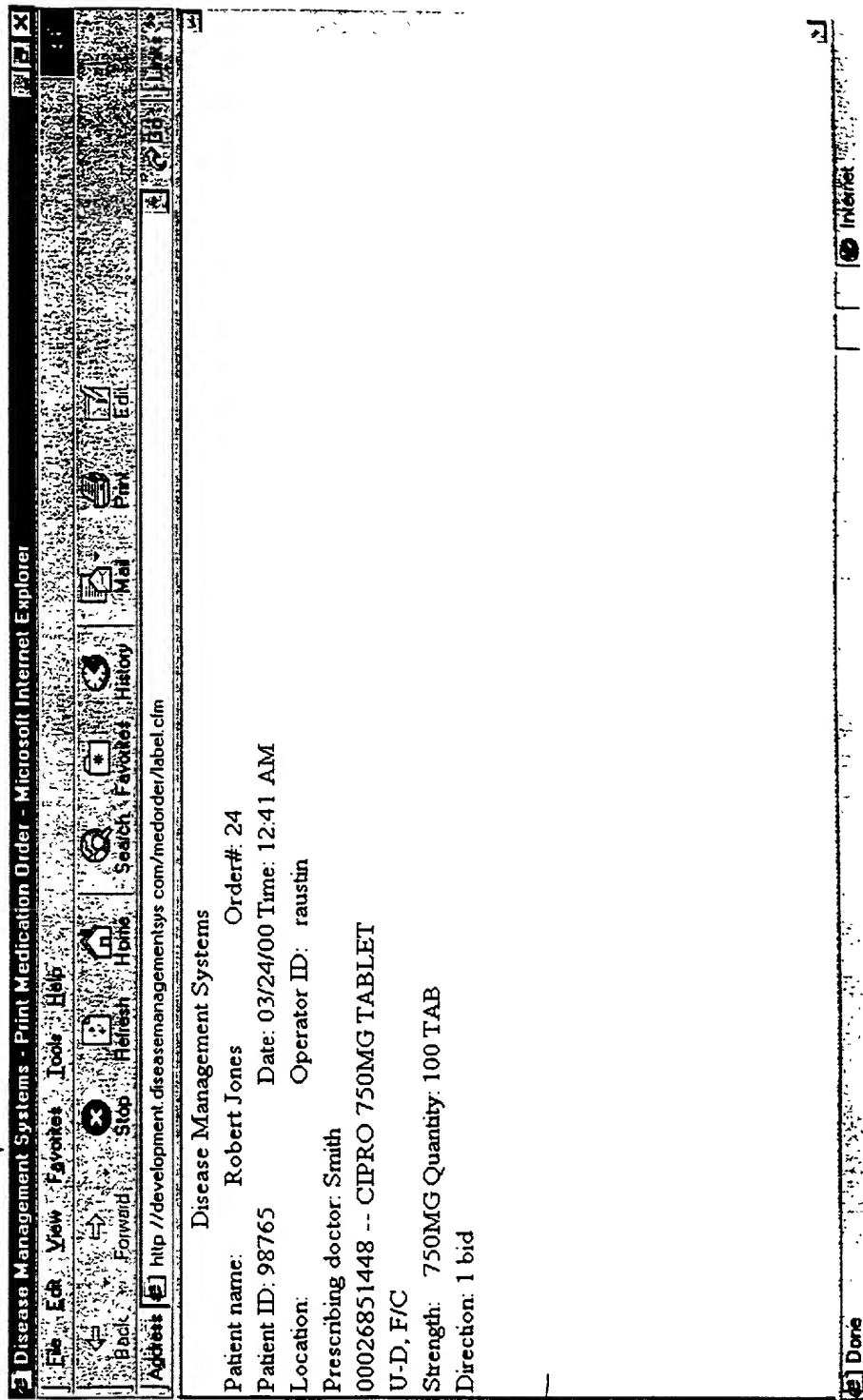
1322

Internet zone

Figure 19

FOIb080" T4T52860

Figure 20



2000

2002

Figure 21

2004

Warning! - Contraindications & Drug Interactions - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Address http://development.diseasemanagementsys.com/contraindications.cfm

Patient: 98765 - Jones, Robert  
Geriatric Patient: (Age: 68 years)

Start Setup ---- Allergy Section Direct Match Allergen specific Allergy Cross No Allergy Found Direct Match Allergen specific Allergy Cross No Allergy Found **DRUG INTERACTIONS**

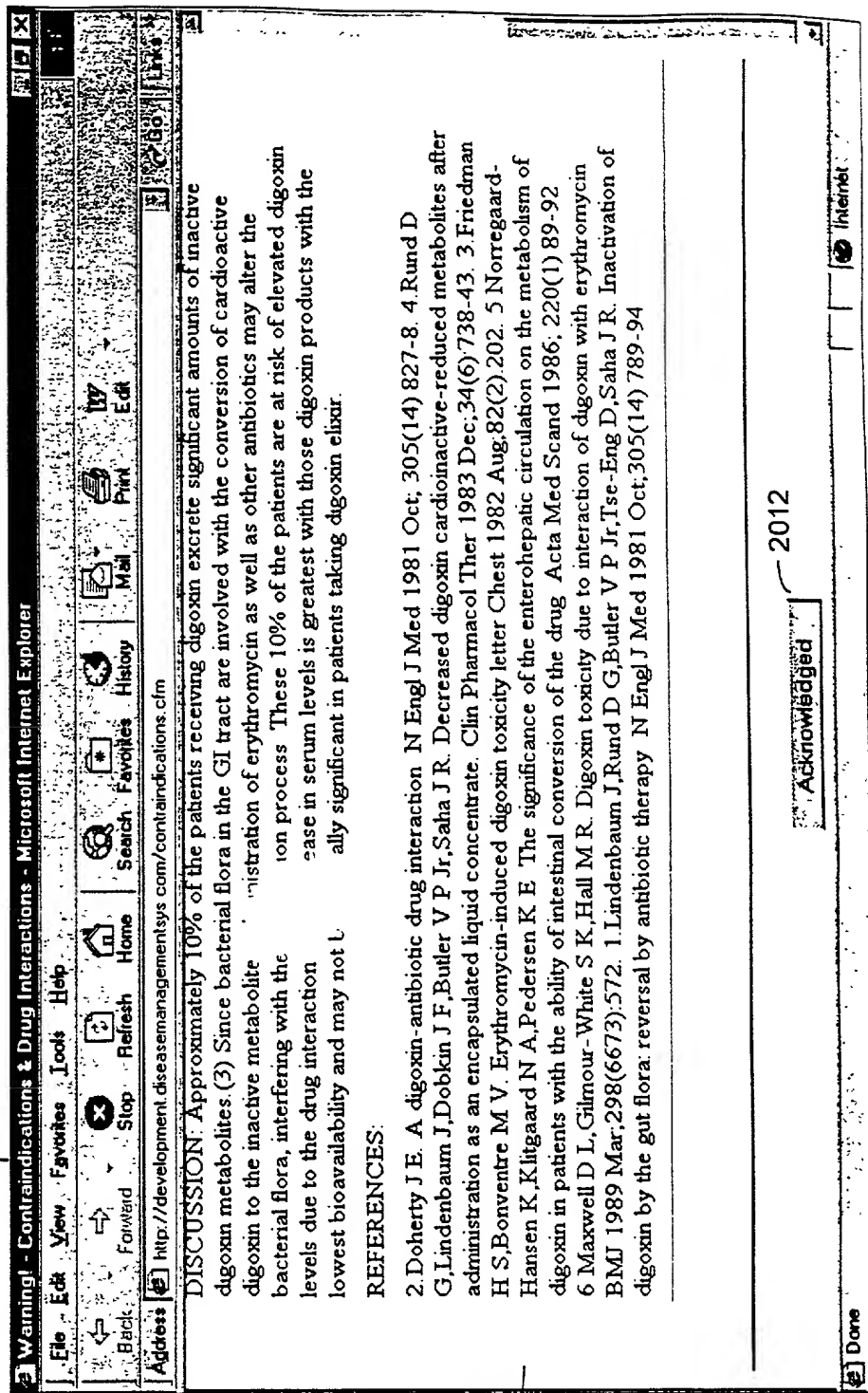
- Drug Interaction: ERY-TAB 500MG TABLET EC / LANOXIN 125MCG TABLET  
MONOGRAPH TITLE: Digoxin, Oral/Macrolide Antibiotics  
SEVERITY LEVEL: 3-Moderate Interaction: Assess the risk to the patient and take action as needed.  
MECHANISM OF ACTION: Erythromycin may alter the bacterial flora in the GI tract, increasing the bioavailability of digoxin  
CLINICAL EFFECTS: Digoxin serum levels may be elevated, producing increased therapeutic and adverse effects. A two fold increase in steady state digoxin level has been shown (1) At least one case report has been documented of the erythromycin-digoxin interaction with toxicity evidenced by slow atrial fibrillation, right bundle branch block, and ventricular bigeminy (2) The effects of erythromycin on the GI flora may persist for several months.  
PREDISPOSING FACTORS: None determined.  
PATIENT MANAGEMENT: Monitor digoxin serum levels during concurrent erythromycin therapy and adjust the dose as needed.

Done

2006

Figure 22

2004



2010